

## 106.1 - Metal (Inorganics) Constituents in Natural Matrices (liquid and solid forms)

Also see:

- [105.13 Lead in Paint, Dust, Soil](#)
- [108.2 Metal Constituents in Fossil Fuels \(liquid forms\)](#)
- [108.3 Sulfur and Mercury in Fossil Fuels](#)
- [108.6 Fossil Fuel Trace Elements \(solid forms\)](#)
- [110.1 Foods and Beverages](#)
- [110.3 USA/Canada Collaborative Materials](#)
- [111.2 Ores](#)
- [111.4 Clay](#)
- [111.5 Rocks and Minerals](#)
- [111.7 Soils, Sediments, and Sludges](#)

These SRMs and RM are for analysis of materials of health or environmental interest. [Also see Categories 105 and 111.]

PLEASE NOTE: The tables are presented to facilitate comparisons among a family of materials to help customers select the best SRM for their needs. For specific values and uncertainties, the certificate is the only official source.

SRM Description	1640a	1641e	1643f	1646a	1648a	1944	1946	1947	2385	2387	2451	2583	2584	2586	2587	2696	2700	2701	2702	2703
Trace Elements in Natural Water	Mercury in Water	Trace Elements in Water	Estuarine Sediment	Urban Particulate Matter	New York/New Jersey Waterway Sediment	Lake Superior Fish Tissue	Lake Michigan Fish Tissue	Slurried Spinach	Peanut Butter	Fine Carbon (Activated) Filter Cyanide Ore Leaching	Trace Elements in Indoor Dust (Nominal Mass Fraction of 50 mg/kg Lead)	Trace Elements in Indoor Dust (Nominal Mass Fraction of 1 % Lead)	Trace Elements in Soil Contaminated Lead from Paint (Nominal Mass Fraction of 3000 mg/kg Lead)	Trace Elements in Soil Contaminated Lead from Paint (Nominal Mass Fraction of 500 mg/kg Lead)	Silica Fume (powder form)	Hexavalent Chromium in Contaminated Soil (Low Level)	Hexavalent Chromium in Contaminated Soil (High Level)	Inorganics in Marine Sediment	Sediment for Solid Sampling (all Sample)	Analytical Techniques
Unit Size (250 mL)	(10 x 10 mL)	(250 mL)	(70 g)	(2 g)	(50 g)	(5 x 7-9 grams)	(5 x 8 grams)	(4 x 70 g)	(3 x 170 g)	(100 g)	(8 g)	(8 g)	(55 g)	(55 g)	(70 g)	(75 g)	(75 g)	(50 g)	(5 g)	
Elemental Composition reference values	22 elements certified	1 element certified	29 elements certified	20 elements certified	25 elements certified	9 elements certified 20 reference values (6 information values)	3 elements certified 9 reference values	8 elements certified	7 elements certified	9 elements certified plus numerous non-metallic constituents	1 element certified (Hg 1 reference value (Au))	5 elements certified	5 elements certified 10 reference values	4 elements certified 25 reference values	4 elements certified 14 reference values	4 elements certified 9 reference values	4 elements certified 8 reference values	24 elements certified 8 reference values	22 elements certified 7 reference values (6 information values)	

- Certified values are normal font
- Reference values are italicized
- Values in parentheses are for information only

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SRM Description	2706 New Jersey Soil, Organic and Trace Elements	2709a San Joaquin Soil Building Trace Element Concentrations	2710a Montana I Soil High Trace Element Concentrations	2711a Montana II Soil Moderately Element Trace Element Concentrations	2780a Hard Rock Mine Waste	2781 Domestic Sludge	2782 Industrial Sludge	2783 Air Particulate on Filter Media (2 +2 Blank (47 mm dia))	2976 Trace Elements and Mercury in Mussels Tissue (Freeze-Dried) (25 g)	8610 Mercury Isotopes in UM-Florhamden Mus-Eelmeal Secondary Standard (4 x 5 mL)	8704 Buffalo River Sediment (50 g)	8785 Air Particulate Matter on Filter Media (3 filters)	8786 Blank for RM 8785 (filter)
Unit Size	(50 g)	(50 g)	(50 g)	(50 g)	(50 g)	(40 g)	(70 g)	(2 +2 Blank (47 mm dia))	(25 g)	(4 x 5 mL)	(50 g)	(3 filters)	(filter)

  

Elemental Composition elements  23 reference values plus PAHs	19 elements certified  29 reference values (10 information values)	22 elements certified  15 reference values (13 information values)	25 elements certified  13 reference values (12 information values)	35 certified values  8 reference values (24 information values)	12 certified elements  reference values (5 information values)	10 certified elements  reference values (10 information values)	18 certified elements  reference values (16 information values)	9 reference values  18 reference values (3 information values)	8 elements certified  20 reference values (3 information values)	1 reference value  25 reference values	1 reference value  1 reference value (1 information value)	1 reference value  1 reference value	1 reference value  1 reference value
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